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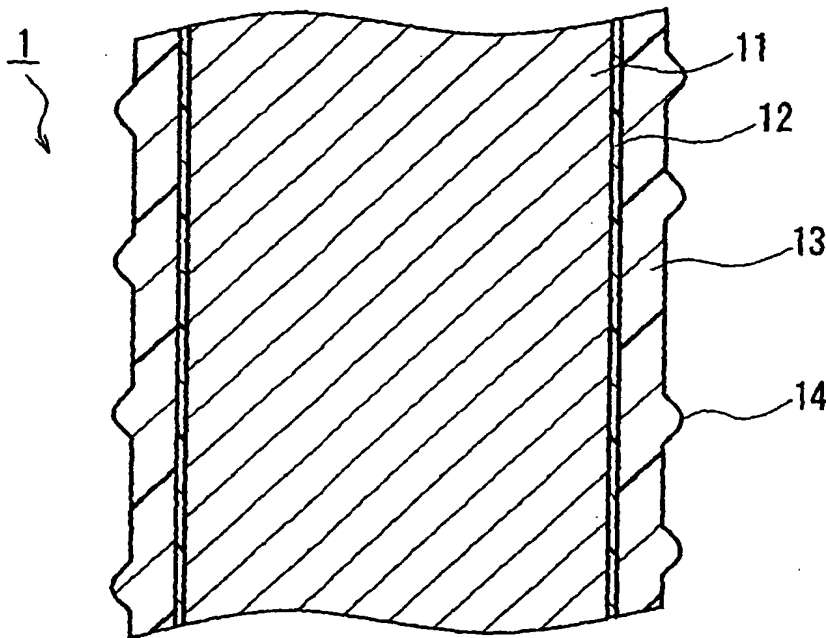
一里山5丁目13番13号 株式会社アイ. エス. ティ内 Shiga (JP). 青山 智栄 (AOYAMA, Chisaka) [JP/JP]; 〒520-2153 滋賀県 大津市 一里山5丁目13番13号 株式会社アイ. エス. ティ内 Shiga (JP).

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[続葉有]

(54) Title: MEDICAL GUIDE WIRE AND PROCESS FOR PRODUCTION THEREOF

(54) 発明の名称: 医療用ガイドワイヤー及びその製造方法



(57) Abstract: A medical guide wire (1) produced by forming at least a fluororesin coating layer (13) on the surface of a metal wire (11), wherein a particulate material is present in the fluororesin coating layer (13) in a state covered with the coating layer and at least part of the particulate material forms projections (14) on the surface. The invention provides a medical guide wire which can be produced at a low production cost without adverse influence on the strengths and exhibits a low frictional resistance, and a process for the production thereof.

(57) 要約: 金属製ワイヤー(11)の表面に少なくともフッ素樹脂被膜層(13)が形成されている医療用ガイドワイヤー(1)であって、フッ素樹脂被膜層(13)に粒子状物質が存在し、前記フッ素樹脂被膜層は粒子状物質を覆い、かつ前記粒子状物質の少なくとも一部は表面凸形状の突起(14)に形成されている。こ

れにより、製造コストが安く、強度に影響を与えず、かつ摩擦抵抗も低い医療用ガイドワイヤー及びその製造方法を提供する。

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OAPI 特許 (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— 請求の範囲の補正の期限前の公開であり、補正書受領の際には再公開される。

添付公開書類:

— 国際調査報告書

2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/11807

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.<sup>7</sup> A61M25/01

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.<sup>7</sup> A61M25/01, A61L31/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Toroku Jitsuyo Shinan Koho	1994-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	US 6251085 B1 (Olympus Optical Co., Ltd.), 26 June, 2001 (26.06.01), Full text; all drawings Full text; all drawings & JP 11-19217 A & DE 19829620 A	1-8, 12, 14, 16 9-11, 13, 15, 17-18
Y	WO 98/38258 A1 (Yuichi MORI), 03 September, 1998 (03.09.98), Full text; all drawings & EP 964037 A1	1-8, 12, 14, 16
Y	JP 2002-95735 A (Nippon Life Line Kabushiki Kaisha), 02 April, 2002 (02.04.02), Par. Nos. [0002] to [0005] (Family: none)	2

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;"

document member of the same patent family

Date of the actual completion of the international search

23 January, 2004 (23.01.04)

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Name and mailing address of the ISA/  
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## INTERNATIONAL SEARCH REPORT

International Application No.

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98/39049 A1 (SCIMED LIFE SYSTEMS, INC.), 11 September, 1998 (11.09.98), Full text; all drawings & JP 2000-509641 A & US 5924998 A	1-18
A	EP 407965 A1 (Terumo Kabushiki Kaisha), 16 January, 1991 (16.01.91), Full text; all drawings & JP 3-41966 A	1-18
A	JP 2000-271132 A (Olympus Optical Co., Ltd.), 03 October, 2000 (03.10.00), Full text; all drawings (Family: none)	1-18